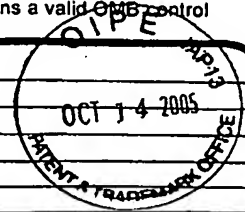


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			Filing Date	03/01/2004	
			First Named Inventor	Chad A. Mirkin	
			Group Art Unit	1641	
			Examiner Name	Leon Yun Bon Lum	
Sheet	1	of	3	Attorney Docket Number	083847-0235



U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
LYL	B1	5,039,458		Braatz et al.	08-13-1991	
LYL	B2	5,747,334		Kay et al.	05-05-1998	
LYL	B3	5,858,801		Brizzolara	01-12-1999	
LYL	B4	6,103,479		Taylor	08-15-2000	
LYL	B5	6,270,946		Miller	08-07-2001	
LYL	B6	6,573,369		Henderson et al.	06-03-2003	
LYL	B7	6,635,311		Mirkin et al.	10-21-2003	
LYL	B8	6,642,129		Liu et al.	11-04-2003	
LYL	B9	6,674,074		Schwartz et al.	01-06-2004	
LYL	B10	6,827,979		Mirkin et al.	12-07-2004	
LYL	B11	2002/0122873	A1	Mirkin et al.	09-05-2002	
LYL	B12	2003/0068446	A1	Mirkin et al.	04-10-2003	
LYL	B13	2003/0162004	A1	Mirkin et al.	08-28-2003	
LYL	B14	2003/0185967	A1	Eby et al.	10-02-2003	
LYL	B15	2004/0008330	A1	Mirkin et al.	01-15-2004	
LYL	B16	10/307,515		Mirkin et al.	12-02-2002	
LYL	B17	10/375,060		Dupeyrat et al.	02-28-2003	

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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
LYL	B18	WO	96/31625		Cytogen	10-10-1996		
LYL	B19	WO	00/04390		Zyomyx, Inc.	01-27-2000		
LYL	B20	WO	02/45215	A2	Mirkin et al.	06-06-2002		

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LYL	B21	AGARWAL, G., et al., "Dip-Pen Nanolithography in Tapping Mode", J. Am. Chem. Soc., vol. 125, pp. 580-583 (2003).		
LYL	B22	BLAWAS, A. S., et al., "Protein patterning", Biomaterials, vol. 19, pp. 595-609 (1998).		
LYL	B23	CHEN, C. S., et al., "Geometric Control of Cell Life and Death", <i>Science</i> , vol. 276, pp. 1425-1428 (1997).		
LYL	B24	DEMERS, L. M., et al., "Direct Patterning of Modified Oligonucleotides on Metals and Insulators by Dip-Pen Nanolithography". <i>Science</i> , vol. 296, pp. 1836-1838 (2002).		

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LYL	B25	HARDER, P., et al., "Molecular Conformation in Oligo(ethylene glycol)-Terminated Self-Assembled Monolayers on Gold and Silver Surfaces Determines Their Ability To Resist Protein Adsorption", J. Phys. Chem. B, vol. 102, pp. 426-436 (1998).		
LYL	B26	HONG, S., et al., "Multiple Ink Nanolithography: Toward a Multiple-Pen Nano-lotter", <i>Science</i> , vol. 286, pp. 523-525 (1999).		
LYL	B27	HOUSEMAN, B. T., et al., "Maleimide-Functionalized Self-Assembled Monolayers for the Preparation of Peptide and Carbohydrate Biochips", <i>Langmuir</i> , vol. 19, pp. 1522-1531 (2003).		
LYL	B28	JONES, V. W., et al., "Microminiaturized Immunoassays Using Atomic Force Microscopy and Compositionally Patterned Antigen Arrays", <i>Anal. Chem.</i> , vol. 70, no. 7, pp. 1233-1241 (1998).		
LYL	B29	KENNETH, J. R., et al., "Investigation of Approaches for the Fabrication of Protein Patterns by Scanning Probe Lithography", <i>Langmuir</i> , vol. 17, pp. 4105-4112 (2002).		
LYL	B30	LEE, K-B, et al., "Protein Nanostructures Formed via Direct-Write Dip-Pen Nanolithography", J. Am. Chem. Soc., no. 125, pp. 5588-5589 (2003).		
LYL	B31	LEE, K-B., et al., "Protein Nanoarrays Generated by Dip-Pen Nanolithography", <i>Science</i> , vol. 295, pp. 1702-1705 (2002).		
LYL	B32	LOCKHART, D. J., et al., "Genomics, gene expression and DNA arrays", <i>NATURE</i> , vol. 405, PP. 827-836 (2000).		
LYL	B33	MACBEATH, G., "Printing Proteins as Microarrays for High-Throughput Function Determination", <i>Science</i> , vol. 289, pp. 1760-1763 (2000).		
LYL	B34	MADOU, M. J., <i>Fundamentals of Microfabrication, The Science of Miniaturization, 2<sup>nd</sup> Ed.</i> , CRC Press, pp. 68-69 (Protein patterning).		
LYL	B35	MADOU, M. J., <i>Fundamentals of Microfabrication, The Science of Miniaturization, 2<sup>nd</sup> Ed.</i> , CRC Press, pp. 159-169 (deposition & arraying methods of organic layers in BIOMEMS).		
LYL	B36	MADOU, M. J., <i>Fundamentals of Microfabrication, The Science of Miniaturization, 2<sup>nd</sup> Ed.</i> , CRC Press, pp. 435-439 (primary, secondary, tertiary, and quaternary structures and synthesis by ribosomes).		
LYL	B37	MADOU, M. J., <i>Fundamentals of Microfabrication, The Science of Miniaturization, 2<sup>nd</sup> Ed.</i> , CRC Press, pp. 447-452 (antibodies, antigens, and enzymes).		
LYL	B38	MCKENDRY, R., et al., "Creating Nanoscale Patterns of Dendrimers on Silicon Surfaces with Dip-Pen Nanolithography", <i>NanoLetters</i> , vol. 2, pp. 713-716 (2002).		
LYL	B39	NOY, A., et al., "Fabrication of Luminescent Nanostructures and Polymer Nanowires Using Dip-Pen Nanolithography", <i>NanoLetters</i> , no. 2, no. 2, pp. 109-112 (2002).		
LYL	B40	O'Brien, J. C., et., "Immunosensing Platforms Using Spontaneously Adsorbed Antibody Fragments on Gold", <i>Anal. Chem.</i> , vol. 72, pp. 703-710 (2000).		
LYL	B41	PAPRA, A., et al., "Characterization of Ultrathin Poly(ethylene glycol) Monolayers on Silicon Substrates", <i>Langmuir</i> , vol. 17, pp. 1457-1460 (2001).		
LYL	B42	PINER, et al., "Dip-Pen" Nanolithography", <i>Science</i> , vol. 283, pp. 661-663 (1999).		
LYL	B43	SCHENA, M., et al., "Quantitative Monitoring of Gene Expression Patterns with a Complementary DNA Microarray", <i>Science</i> , vol. 270, pp. 467-470 (1995).		
LYL	B44	SCHWARTZ, P. V., "Molecular Transport from an Atomic Force Microscope Tip: A Comparative Study of Dip-Pen Nanolithography", <i>Langmuir</i> , vol. 18, pp. 4041-4046 (2002).		
LYL	B45	SERVICE, R., "Biology Offers Nanotechs A Helping Hand", <i>Science</i> , vol. 298, pp. 2322-2323 (2002).		

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LYL	B46	WADU-MESTHRIGE, K., et al., "Fabrication of Nanometer-Sized Protein Patterns Using Atomic Force Microscopy and Selective Immobilization", Biophys. J., vol. 80, pp. 1891-1899 (2001).	
LYL	B47	WADU-MESTHRIGE, K., et al., "Immobilization of Proteins on Self-Assembled Monolayers", SCANNING, vol. 22, pp. 380-388 (2000).	
LYL	B48	WEINBERGER, D. A., et al., "Combinatorial Generation and Analysis of Nanometer- and Micrometer-Scale Silicon Features via 'Dip-Pen' Nanolithography and Wet Chemical Etching", Adv. Mater., vol. 12, no. 21, pp. 1600-1603 (2000).	
LYL	B49	WILSON, D. L., et al., "Surface organization and nanopatterning of collagen by dip-pen nanolithography", PNAS, vol. 98, no. 24, pp. 13660-13664 (2001).	
LYL	B50	ZHANG, M., et al., "A MEMS nanoplotter with high-density parallel dip-pen nanolithography probe arrays", Nanotechnology, vol. 13, pp. 212-217 (2002).	

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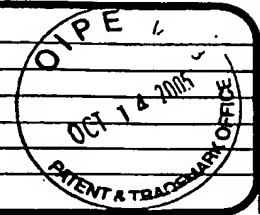
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Sheet	1	of	1		



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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
LYL	A1	WO	01/91855	A1	Univ Northwestern et al.	12-06-2001		
LYL	A2	EP	0 511 662	A1	Matsushita Electric Ind Co.	11-04-1992		
LYL	A3	WO	00/41213	A1	Univ Northwestern	07-13-2000		
LYL	A4	EP	0 450 771	A	IBM	10-09-1991		
LYL	A5	WO	03/038033	A	Univ Northwestern et al.	05-08-2003		
LYL	A6	WO	03/001633	A	Univ Northwestern et al.	01-03-2003		

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LYL	A7	KNAPP, H. F., et al., "Preparation, Comparison and Performance of Hydrophobic AFM Tips", Surface and Interface Analysis, vol. 27, no. 5/6, pp. 324-331 (1999).		
LYL	A8	VOIGT, J., et al., "Nanofabrication with scanning nanonozzle 'Nanojet'", Microelectronic Engineering, Elsevier, vol. 57-58, pp. 1035-1042 (Sept. 2001).		
LYL	A9	Copy of PCT International Search Report dated 6/29/2004		
	A10			
	A11			
	A12			
	A13			
	A14			
	A15			
	A16			

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